SYSTEM AND METHOD FOR AUTOMATICALLY DETECTING

NEUTRAL EXPRESSIONLESS FACES IN DIGITAL IMAGES

ABSTRACT

A system and method for automatic detecting neutral expressionless faces in digital images and

5   video is described. First a face detector is used to detect the pose and position of a face and find

the facial components. Second, the detected face is normalized to a standard size face. Then a set

of geometrical facial features and three histograms in zones of mouth are extracted. Finally, by

feeding these features to a classifier, the system detects if there is the neutral expressionless face

or not.